

genomic sample.

16. The kit of claim 14, wherein the kit is for sequencing one or more DNA regions from a selected microorganism and the primers bind to the sense and antisense strands of DNA from the microorganism.

17. The kit of claim 13, wherein the kit includes as non-region specific reagents four deoxynucleotide triphosphates and at least one dideoxynucleotide triphosphate.

18. The kit of claim 17, wherein the dideoxynucleotide triphosphate is present in a mole ratio to the corresponding deoxynucleotide triphosphate of from 1:50 to 1:1000.

19. The kit of claim 17, wherein the dideoxynucleotide triphosphate is present in a mole ratio to the corresponding deoxynucleotide triphosphate of from 1:100 to 1:500.

20. The kit of claim 17, wherein the kit includes as a non-specific reagent a polymerase enzyme which incorporates dideoxynucleotides into an extending nucleic acid polymer at a rate which is no less than 0.4 times the rate of incorporation of deoxynucleotides.

21. The kit of claim 20, wherein the kit includes, as a region-specific reagent, a pair of primers which bind to the sense and antisense strands and flank one of the plurality of DNA regions within the genomic DNA.

22. The kit of claim 20, wherein the kit includes as non-region specific reagents four deoxynucleotide triphosphates and at least one dideoxynucleotide triphosphate.

23. The kit of claim 22, wherein the dideoxynucleotide triphosphate is present in a mole ratio to the corresponding deoxynucleotide triphosphate of from 1:50 to 1:1000.

24. The kit of claim 22, wherein the dideoxynucleotide triphosphate is present in a mole ratio to the corresponding deoxynucleotide triphosphate of from 1:100 to 1:500.

25. The kit of claim 13, wherein the kit contains a plurality of tubes of region-specific reagents for sequencing a plurality of DNA regions.

26. The kit of claim 25, wherein the kit includes, as region-specific reagents, a pair of primers which bind to the sense and antisense strands and flank one of the plurality of DNA regions within the genomic or microorganism DNA.

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27. The kit of claim 26, wherein the kit is for sequencing one or more DNA regions from a genomic sample and the primers bind to the sense and antisense strands of the genomic sample.

28. The kit of claim 26, wherein the kit is for sequencing one or more DNA regions from a selected microorganism and the primers bind to the sense and antisense strands of DNA from the microorganism.

29. The kit of claim 25, wherein the kit includes as non-region specific reagents four deoxynucleotide triphosphates and at least one dideoxynucleotide triphosphate.

30. The kit of claim 29, wherein the dideoxynucleotide triphosphate is present in a mole ratio to the corresponding deoxynucleotide triphosphate of from 1:50 to 1:1000.

31. The kit of claim 29, wherein the dideoxynucleotide triphosphate is present in a mole ratio to the corresponding deoxynucleotide triphosphate of from 1:100 to 1:500.

32. The kit of claim 29, wherein the kit includes as a non-specific reagent a

polymerase enzyme which incorporates dideoxynucleotides into an extending nucleic acid polymer at a rate which is no less than 0.4 times the rate of incorporation of deoxynucleotides.

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COND.
33. The kit of claim 32, wherein the kit includes, as a region-specific reagent, a pair of primers which bind to the sense and antisense strands and flank one of the plurality of DNA regions within the genomic DNA.

34. The kit of claim 32, wherein the kit includes as non-region specific reagents four deoxynucleotide triphosphates and at least one dideoxynucleotide triphosphate.

35. The kit of claim 34, wherein the dideoxynucleotide triphosphate is present in a mole ratio to the corresponding deoxynucleotide triphosphate of from 1:50 to 1:1000.

36. The kit of claim 34, wherein the dideoxynucleotide triphosphate is present in a mole ratio to the corresponding deoxynucleotide triphosphate of from 1:100 to 1:500.

REMARKS

The present amendment is presented to update the information regarding the parent applications and to present a new set of kit claims different from those issued in the parent cases. The specification has been amended to include a paragraph from Pages 35-36 of parent